

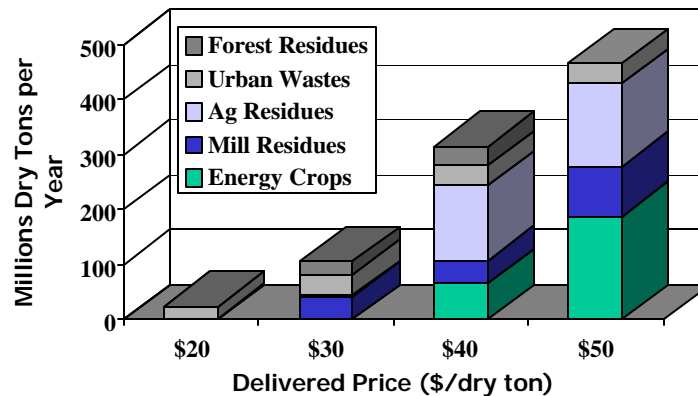
## Bridge-to-Corn Ethanol- Objective

- Develop and demonstrate conversion of corn fiber and corn stover utilizing corn ethanol industry infrastructure and expertise





## Potential Available U.S. Biomass



## Bridge-to-Corn Ethanol-Background

### Early projects

- Amoco CRADA
- New Energy Corporation CRADA
- Feasibility Studies 1998
- Corn Stover to Ethanol – 1999

“A plan for Commercialization of the Collection and use of Corn Stover from Bioethanol Production”





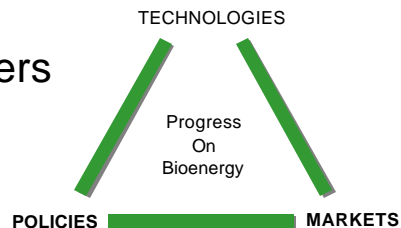
## Bridge-to-Corn Ethanol - Present

- Corn Stover Colloquies
- NCGA/CRA CRADA



## Bridge-to-Corn Ethanol - Present (cont.)

- Genencor Contract
- Bioenergy Initiative
  - National Corn Growers Association/ADM





## Bridge-to-Corn Ethanol - Present (cont.)

- MBI Project – Heartland Grain Fuels  
(South Dakota)



## Bridge-to-Corn Ethanol - Present (cont.)

- Corn Stover Collection/Sustainability
  - Corn Stover to Ethanol Life cycle analysis  
(Iowa Kickoff)
  - ORNL/USDA (soils/crops  
sustainability)
  - Macroeconomics of Corn Stover  
to Ethanol
  - Corn Stover collection (Iowa University and BMAP)
  - Rapid Analysis of Corn Stover (NREL)





## FY 2001 Plans

- Initiate implementation of corn stover logistics plan (ORNL)
  - Harvest, storage and transport
- Add additional enzyme company
- Bioin engineering (improve dry mill economics) CRADA
- Competitive solicitation to further the demonstration of cellulosic conversion
- Yeast platform